

МИНИСТЕРСТВО ОБРАЗОВАНИЯ ПРИМОРСКОГО КРАЯ
краевое государственное автономное профессиональное образовательное учреждение
«Лесозаводский индустриальный колледж»

МАТЕРИАЛЫ ДЛЯ ДИСТАНЦИОННОГО ОБУЧЕНИЯ
по английскому языку
группа 2.2, профессия 13.01.10. Электромонтёр по ремонту и обслуживанию
электрооборудования

Контакты преподавателя: malutka-87@mail.ru

Не оставляйте выполнение заданий на последнюю неделю, придется делать слишком много!!!!

Занятия № 3-4. (9.04)

Тема: Знаменитые инженеры и конструкторы.

Задания:

- 1. Записать лексику в тетрадь и перевести на русский язык.**
- 2. Прочитать, перевести текст, выписать людей и их изобретения.**
- 3. Просмотреть видео и выполнить задание.**

Exercise 1. Основные понятия и лексика по теме:

Emergence, engineering, electric arc, welding of metals, static electricity, the novelty,

Exercise 2. Read and translate the text.

The emergence of modern methods of use Electricity was preceded by a number of discoveries in physics and engineering, scattered over time for several centuries. Science left us a dozen names involved in this epoch-making process. There are among them Russian discoverers.

The history of the emergence of electricity would have developed otherwise, if it were not for the experimental physicist and diligent self-taught Vasily Petrov (1761-1834). This scientist, driven by his own little-understood curiosity, conducted many experiments. Its key achievement was the discovery of the electric arc in 1802.

Petrov proved that it can be used in practical purposes - including welding of metals, melting and lighting. At the same time, a large galvanic battery was created by the experimenter. The history of electricity development owes much to Vasily Petrov.

Another Russian inventor, who contributed to the progress in energy, - Pavel Yablochkov (1847-1894). In 1875 he created a coal arc lamp. Behind her, the name "Yablochkov's candle" was fixed. For the first time the invention was demonstrated to the general public at the Paris World Exhibition. So the history of the origin of light was written. Electricity, in the sense in which we all used to understand it, was getting closer.

The first domestic experiments related to urban electric lighting, were conducted by Alexander Lodygin in St. Petersburg in 1873. It was he who invented the incandescent lamp. However, the attempt to introduce the novelty into mass operation proved unsuccessful - it failed to take away the niche of ubiquitous gas lamps. The patent for the tungsten filament was sold to a foreign company, General Electric.

Exercise 3. Watch the video about electric charge and answer the questions:

<https://www.bing.com/videos/search?q=the+history+of+electricity+of+russia&&view=detail&mid=707109A5FD9216CEA881707109A5FD9216CEA881&&FORM=VRD GAR&ru=>

[%2Fvideos%2Fsearch%3Fq%3Dthe%2Bhistory%2Bof%2Belectricity%2Bof%2Brussia%26FORM%3DHDRSC3](#)

1. Where can you find static electricity?
2. How does electric force exist?
3. Which ancient gods were mentioned in this video?
4. Which Russian scientist was killed by lightning?
5. What did Franklin invent?
6. How does static electricity help science?
7. What mistake is often shown in the medical films?
8. What do planes have for reduced of static electricity?
9. What had been used before voltmeter was invented?
10. What is word “coulomb” mean?